

# Converting Colors

Hex(37C8EF)

Have a look what the booklet for  
Hex(37C8EF) contains.

<b>Hex(37C8EF)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# **Color**

**Hex(37C8EF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	37C8EF
RGB	55, 200, 239
RGB Percent	22%, 78%, 94%
CMY	0.7843, 0.2157, 0.0627
CMYK	0.77, 0.16, 0.00, 0.06
HSL	193°, 85%, 58%
HSV	193°, 77%, 94%
XYZ	37.8098, 48.3528, 89.0016
YIQ	161.0910, -98.9390, -18.6110

# Conversions

## Conversions Part 2

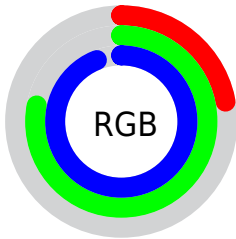
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	55, 136, 239
Decimal	3655919
CIE <sub>Lab</sub>	75.05, -24.72, -30.02
CIE <sub>LCh</sub>	75, 38.888, 230.537
Yxy	48.3528, 0.2159, 0.2760
Android (android.graphics.Color)	4281845999 (0xFF37C8EF)
YUV	161.0910, 38.4091, -93.0418
Hunter-Lab	69.5362, -24.6301, -27.2119

# Details

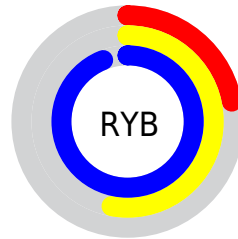
The Hex color **37C8EF** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **EF5E37**, and the grayscale version is **A1A1A1**.

A 20% lighter version of the original color is **81FFFF**, and **0092B7** is the 20% darker color. If you saturate the color by 10%, you get **1FC3EF**, and if you desaturate by 10%, it is **4FCDEF**.

# Distribution



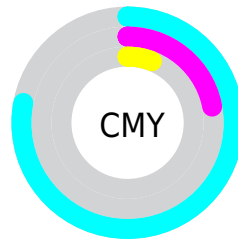
- Red (22%)
- Green (78%)
- Blue (94%)



- Red (22%)
- Yellow (53%)
- Blue (94%)



- Cyan (77%)
- Magenta (16%)
- Yellow (0%)
- Black (6%)



- Cyan (78%)
- Magenta (22%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 37C8EF changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 37C8EF by changing the saturation by 10% instead.



 37C8EF

 37C8EF

FFFFFF

 00ADD3


 81FFFF

 0092B7

 A1FFFF

 00789C

 C0FFFF

 005F82

 DFFFFF

 004768

 003050

 001D39

 000223

 00000A

 37C8EF

 37C8EF

 1FC3EF

 4FCDEF

 07BEEF

 67D2EF

 00BCEF

 7FD7EF

 97DCEF

 AEE1EF

 C6E6EF

 DEEBEF

 F6F1EF

 FFF6EF

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32CCD1



37C8EF



72C0FF

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37C8EF



F79EC6



B8BE75

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



37C8EF



EF5E37

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



DBB372



37C8EF



FF9EA1

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37C8EF



DBA7E7



F4A683



8FC78A

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37C8EF



9AB8FF



F4A683



C4BB71

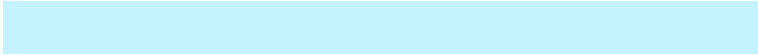


# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



37C8EF



C4F3FF



37EF5C



5C7880



000000



808080

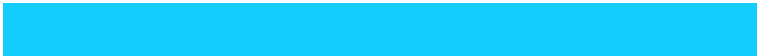


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37C8EF



14CDFF



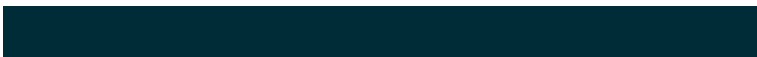
376EEF



6C7578



0091B8



002C38



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



EF37C8



FF14CD



EFB837



786C75



B80091

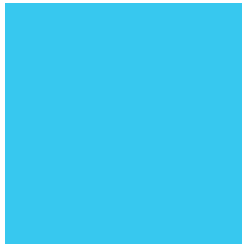


38002C



# Previews

## White Background



This preview shows how the Hex color 37C8EF looks on a white background.

## Color Contrast Check

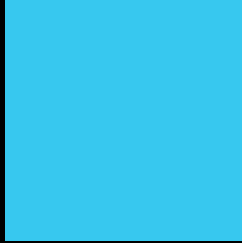
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 37C8EF looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

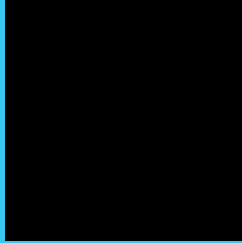
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 37C8EF Background



This preview shows how black text looks on a background with the Hex color 37C8EF.

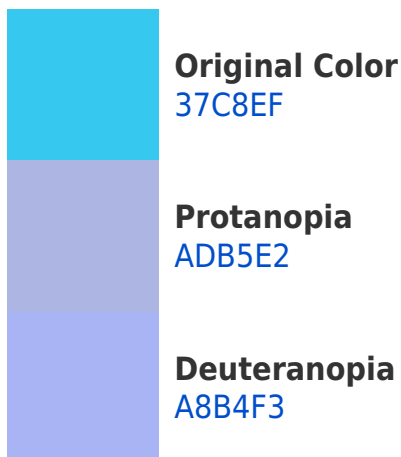


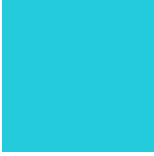
This preview shows how white text looks on a background with the Hex color 37C8EF.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

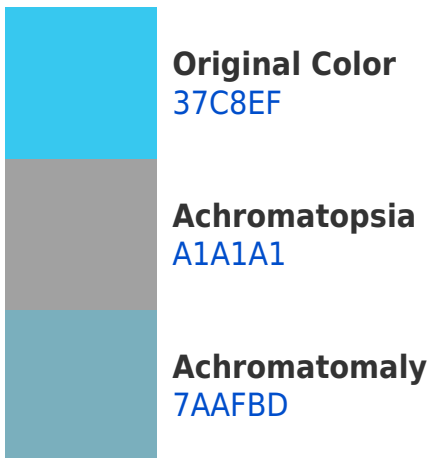




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 37C8EF is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #37C8EF looks like.

```
.text, #text, p{  
    color:#37C8EF  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #37C8EF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #37C8EF
}
```

## Border

The CSS property to change the border of an element to Hex 37C8EF is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#37C8EF }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#37C8EF }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #37C8EF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #37C8EF; -webkit-box-shadow:4px 4px  
4px 4px #37C8EF; box-shadow:4px 4px 4px  
4px #37C8EF }
```

# Background

The CSS property to change the background color of an element to Hex 37C8EF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#37C8EF }
```

If only the background color should be changed can be used:

```
.background{ background-color:#37C8EF }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor